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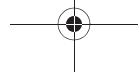
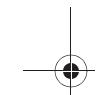
## **Startup Guide**

### HP Compaq Notebook Series

Document Part Number: 334088-001

August 2003

This guide explains how to set up your hardware and software, locate and install the latest versions of HP software, and locate additional information and support. This guide also introduces you to exterior features of the notebook.





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Startup Guide  
HP Compaq Notebook Series  
First Edition August 2003  
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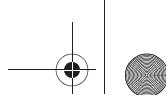
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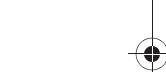
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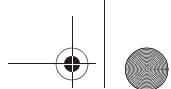
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# 1

## Hardware and Software Setup



**WARNING:** This notebook is designed to run demanding applications at full power. As a result of increased power consumption, it is normal for the notebook to feel warm or hot when used continuously. To avoid potential discomfort or burns, do not block the air vents or use the notebook on your lap for extended periods. The notebook complies with the user-accessible surface temperature limits defined by the international Standard for Safety of Information Technology Equipment (IEC 60950).



Because of limitations in current TFT manufacturing technology, TFT displays may show imperfections as bright, dim, or dark spots. HP does not guarantee that TFT displays are free from such imperfections.



For governmental agency and safety information, refer on the *Documentation Library CD* to the *Regulatory and Safety Notices*.

## Setting Up the Hardware



**CAUTION:** To ensure that the correct drivers load and to prevent file corruption or damage to the components during initial setup:

- Do not set up the notebook while it is docked in an optional Port Replicator.
- Do not remove the battery pack until the notebook has been connected to external AC power.
- Run the notebook on external power, not on battery power, throughout initial setup.





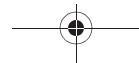
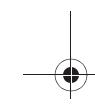
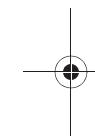
## Hardware and Software Setup

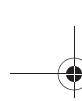
To set up the notebook:

1. Insert a battery pack by turning the notebook upside down, then sliding the battery pack into the battery bay until it is seated.



If you will not be using the notebook for 2 weeks or more, removing the battery and storing it will prolong its life. For more information, refer on the *Documentation Library CD* to the *Hardware Guide*, “Battery Packs” chapter.





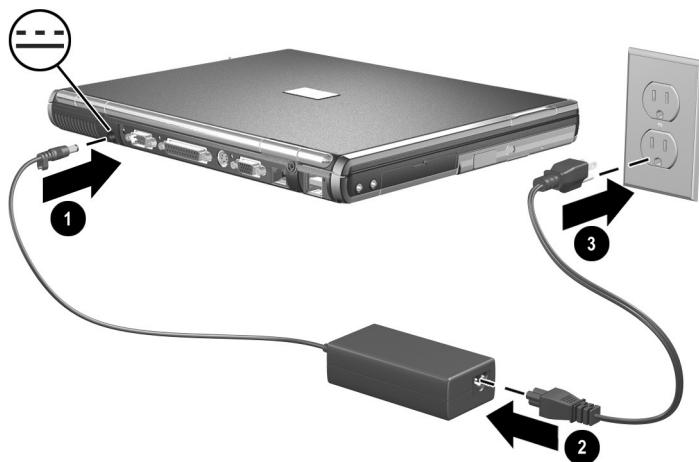
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*Hardware and Software Setup*

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## 2. Connect the notebook to external AC power:

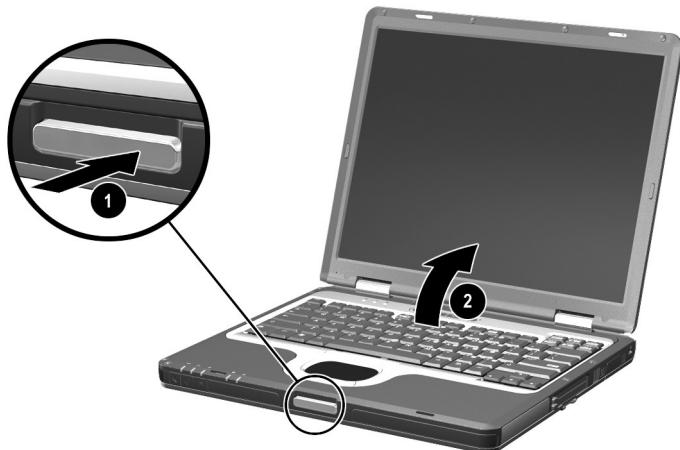
- a. Place the notebook on a flat surface near an electrical outlet.
- b. Connect the AC adapter cable **1** to the power connector on the notebook.
- c. Connect the power cord **2** to the AC adapter.
- d. Plug the power cord **3** into an electrical outlet. (Power cords and outlets vary by country.)



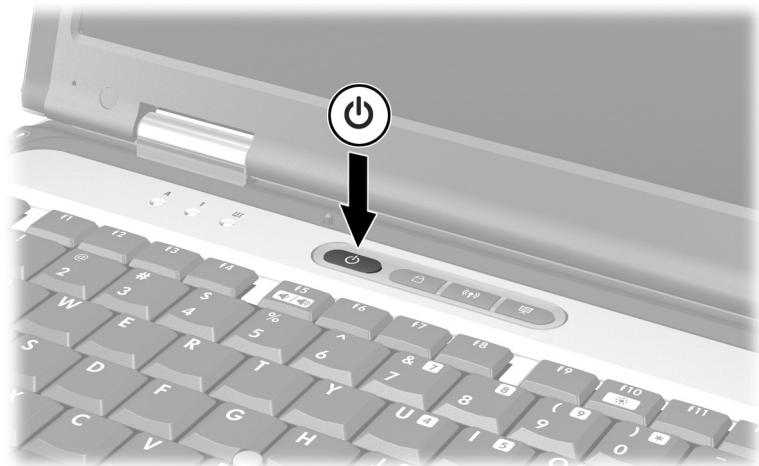


## *Hardware and Software Setup*

3. Open the notebook by pressing the display release latch **1** and lifting the display **2**.



4. Turn on the notebook by pressing the power button.





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*Hardware and Software Setup*

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After the notebook powers on:

- The power/standby light turns on. (See "Lights" later in this guide for more information.)
- The battery pack in the battery bay begins to charge, and the battery light turns on. (See "Lights" later in this guide for more information.)
  - ☞ The battery light remains on while the battery pack is charging and turns off after the battery pack is fully charged.
- The software setup prompt appears on the screen.

## Setting Up the Software

A prompt to set up your software displays on the screen when the notebook is turned on for the first time. Before responding to the prompt and proceeding through the onscreen instructions, read the following caution and other installation information contained in this chapter.



**CAUTION:** To prevent file corruption and to ensure that the correct device drivers install, follow these guidelines during software setup:

- Do not unplug the notebook from the electrical outlet.
- Do not shut down the notebook.
- Do not remove or insert a drive.

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- After you begin the software setup, you must complete the entire process without interruption. Setup time varies.
- If you are prompted to select a language, choose carefully. The languages you do *not* choose are deleted from the system and cannot be restored once the setup process has begun.
- If you are prompted to accept the End User License Agreement, you must choose Accept to continue the software setup.





## *Hardware and Software Setup*

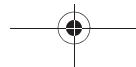
- *Preloaded* software applications are included with the notebook but must be installed through the Software Setup utility. *Preinstalled* software applications have already been installed on the notebook and require no further installation procedures.
- This guide does not take into account any variation that may result from the notebook being connected to a network.
- This guide documents the Windows 2000, Windows XP Professional, and Windows XP Home operating systems. Any other operating systems installed on this notebook after purchase may not match the descriptions and procedures provided in this guide.
- This guide documents the category view that is used by default in Windows XP. If your notebook is set to classic view, you may notice discrepancies between your notebook and this documentation. For information on switching views, see Windows XP Help and Support.

## **Installing Optional Software**

You can install third-party software or preloaded utilities any time after your initial software setup is complete.

- To install third-party software, refer to the documentation included with the software.
- To install a preloaded utility:
  - In Windows 2000**, select Start > Programs > Software Setup.
  - In Windows XP**, select Start > All Programs > Software Setup.

A setup wizard loads, and a list of applications displays. Select the application you want to install and follow the instructions on the screen.





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## *Hardware and Software Setup*

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To view the descriptions and space requirements of preloaded HP utilities without installing them:

- **In Windows 2000**, select Start > Programs > Software Setup.
- **In Windows XP**, select Start > All Programs > Software Setup.

After viewing the utility information, select Cancel.

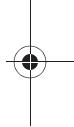
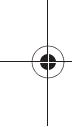
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## **Selecting Regional Settings**

Keyboard language and other regional preferences such as time, date, and currency format are set in the operating system. To access these settings:

- **In Windows 2000**, select Start > Settings > Control Panel > Date/Time, or select Start > Settings > Control Panel > Regional Options.
- **In Windows XP**, select Start > Control Panel > Date, Time, Regional, and Language Options > Date and Time, or select Start > Control Panel > Date, Time, Regional, and Language Options > Regional and Language Options.

For information about selecting regional settings, open the Regional Options window, then use context-sensitive Help. To use context-sensitive Help, select the question mark button in the upper right corner of the window, then select an item. A definition, explanation, or procedure is displayed.





## Selecting Screen Settings

To see more items on your screen or to see the items on your screen displayed larger, change the screen resolution setting in your operating system. To access the screen resolution settings:

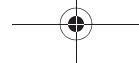
- **In Windows 2000**, select Start > Settings > Control Panel > Display > Settings tab.
- **In Windows XP**, select Start > Control Panel > Appearance and Themes > Display > Settings tab.

## Setting Up Wireless LAN

Select notebooks contain wireless LAN devices. The drivers for your wireless LAN devices have been preinstalled on the notebook. The utility that supports your wireless LAN device has been preloaded but not preinstalled. Refer to the *Wireless LAN Utility Installation Instructions*, provided with your notebook, for help installing the utility.

## Using Wireless LAN Utilities in Windows 2000

Windows 2000 does not have an automatic wireless network configuration utility. The WLAN utility provided by HP on your notebook must be used for wireless connections. Refer to the *Wireless LAN Utility Installation Instructions*, provided with your notebook, for help installing the utility.





## **Using Wireless LAN Utilities in Windows XP**

An automatic wireless network configuration utility is available on notebooks with Windows XP. This utility is enabled by default. However, if your notebook is equipped with an HP-installed WLAN device, you may prefer to use the utility designed to work with it instead of using the Windows utility.

For more information about using the Windows automatic wireless network configuration utility, refer to Windows Help and Support.

For more information about the advantages of using HP-provided utilities, refer to the following section. For information about installing an HP-provided utility, refer to the *Wireless LAN Utility Installation Instructions* provided with your notebook.

### **Understanding the Advantages of HP-Provided WLAN Utilities**

The HP-provided utilities have advanced capabilities that enhance the use of your wireless device. These utilities work in a more integrated fashion with your wireless device to configure and manage your wireless network. They are also compatible with Cisco standards and legacy operating systems.

### **Disabling the Automatic Wireless Network Configuration Utility**

By default, the Windows automatic wireless network configuration utility will attempt to configure your wireless connection. If you do not wish to use the automatic wireless network configuration utility, you must disable it by following these steps:

1. Select Start > Control Panel > Network and Internet Connections > Network Connections.
2. Right click Wireless Network Connection, then select Properties.





## *Hardware and Software Setup*

3. On the Wireless Networks tab, clear the Use Windows to configure my wireless network settings check box.

4. Select OK.

The automatic wireless network configuration utility is disabled until you enable it again.

For more information about the Windows automatic wireless network configuration utility, refer to Windows Help and Support.

Once the Windows utility has been disabled, refer to the *Wireless LAN Utility Installation Instructions*, provided with your notebook, for help installing the HP-preloaded utility for your wireless device.

## **Setting Up Bluetooth**

Select notebooks contain a preinstalled Bluetooth device. The utility that operates your Bluetooth device has been preloaded but not preinstalled on the notebook. Before you can use this utility, you must install it using the following steps:

- **In Windows 2000**, select Start > Programs > Software Setup, select the Bluetooth utility from the list of applications, then follow the onscreen instructions.
- **In Windows XP**, select Start > All Programs > Software Setup, select the Bluetooth utility from the list of applications, then follow the onscreen instructions.

For more information on configuring and using the Bluetooth device, refer on the *Documentation Library—Bluetooth CD* to the *Bluetooth by HP Getting Started Guide* and the *Bluetooth User's Guide*.





## Safeguarding the Notebook

### Protecting the Notebook Against Viruses

When you use the notebook for email, network, or Internet access, you expose the notebook to computer viruses. Computer viruses can disable the operating system, your applications, or your utilities or cause them to function abnormally. Antivirus software can detect most viruses, destroy them, and, in most cases, repair any damage they have caused.

HP strongly recommends that you install optional antivirus software before using your modem or connecting to a network. Antivirus software is available from most computer or electronics retailers. To provide protection against newly discovered viruses, antivirus software must be installed and updated periodically.

### Turning Off the Notebook

Whenever possible, shut down the notebook by following the appropriate Windows shutdown procedure:

- **In Windows 2000**, select Start > Shut Down > Shut Down, then select the OK button.
- **In Windows XP**, select Start > Turn off computer > Turn Off.

### Using the Notebook Safely

To protect the notebook from the power surges that may be caused by an unreliable power supply or an electrical storm:

- Plug the notebook power cord into an optional, high-quality surge protector. Surge protectors are available from most computer or electronics retailers.
- Provide surge protection for the cable that connects the modem to the telephone jack.
- Run the notebook on battery power or shut down the notebook and disconnect the power cord.





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*Hardware and Software Setup*

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## Regulatory and Safety Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. For more information, refer on the *Documentation Library* CD to the *Regulatory and Safety Notices*.

This product is in compliance with relevant European Union Directives and associated standards. For more information refer on the *Documentation Library* CD to the European Union Notice contained in the *Regulatory and Safety Notices* guide.



**WARNING:** To reduce the risk of electric shock or damage to your equipment:

- Plug the power cord into an electrical outlet that is easily accessible at all times.
- Disconnect power from the product by unplugging the power cord from the electrical outlet.
- If provided with a three-conductor power cord having a three-pin attachment plug, plug the cord into a grounded (earthed) outlet. Do not disable the power cord grounding pin. The grounding pin is an important safety feature.

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**WARNING:** To reduce the risk of personal injury, turn down the volume control before putting on headphones.

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**WARNING:** To reduce the risk of serious injury, read the *Safety & Comfort Guide*. It describes proper workstation setup, posture, and health and work habits for computer users, and provides important electrical and mechanical safety information. This guide is located on the Web at <http://www.hp.com/ergo> and on the hard drive or on the *Documentation Library* CD that is included with the product.

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## 2

# Additional Information, Help, and Updates

## Using the Documentation Library CD

Included with the notebook is the *Documentation Library* CD, which contains detailed information and instructions for using your notebook. Documents on the *Documentation Library* CD include:

- *Hardware Guide*—contains information specific to your notebook. It includes an illustrated reference to all exterior components and steps for replacing battery packs, using keyboard features and drives, connecting external equipment, and upgrading the notebook.
- *Software Guide*—describes HP software, including details about power and security features.
- *Modem and Networking* guide—provides details about modem connections and equipment.
- *Modem Command Guidelines*—contains modem commands and programming information.
- *Maintenance, Shipping and Travel* guide—details steps for notebook maintenance and guidelines for using the notebook internationally.
- *Troubleshooting* guide—includes solutions for common problems encountered by users.
- *Regulatory and Safety Notices*—includes governmental agency and safety information.





## Additional Information, Help, and Updates

- *Safety & Comfort Guide*—describes the best way to set up a safe and comfortable work environment, including ergonomic and safety information.
- *Agere Softmodem AT Command Set*—provides manufacturer's modem commands (for advanced users only).
- *Broadcom NetXtreme Ethernet Networking User Guide* (for advanced users only).

To view a guide:

1. Insert the *Documentation Library* CD into a CD drive. If Autorun is enabled, the reference library menu displays on the screen (this may take a few seconds).
2. Select the language of your choice, and then select the guide you want to read from the reference library menu.
3. If prompted, accept the Adobe Acrobat Reader license agreement and install Acrobat Reader by following the instructions on the screen.





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*Additional Information, Help, and Updates*

## Getting Help

If you cannot solve a notebook problem using this guide or the supplementary information on the *Documentation Library* CD (including the *Troubleshooting* guide), you may need to contact HP.

### Using the Help and Support Center in Windows XP

Notebooks with a Windows XP operating system have a customized Help and Support Center that provides a comprehensive online resource tool that can be used for the following:

- Troubleshooting assistance
- Downloading the latest driver updates and product information
- Learning more about using and maintaining your notebook

With the Help and Support Center, you can get immediate assistance before contacting an HP support specialist. For example, in Help and Support you can:

- Troubleshoot and fix common notebook problems.
- Learn how to use the software tools for working with your favorite music, video, games, and photos (on select notebook models only).
- Get basic and detailed information about Windows XP for customizing your notebook.
- Set up your notebook for networking and for communicating on the Web.
- Use administration tools to manage areas such as passwords, file backups, system restore, and user accounts.
- Learn how to print, fax, run performance and maintenance tools, and install and configure new hardware.





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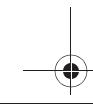
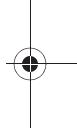
*Additional Information, Help, and Updates*

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- Protect your notebook files by using security and privacy features such as antivirus software.
- Undo changes to your notebook with System Restore.
- Improve the performance of your hard drive and battery pack.
- Download the latest drivers, utilities, software updates, and product documentation for your notebook.
- View notebook information and diagnose problems.
- Keep your notebook up-to-date using Windows Update.
- Find compatible hardware and software.

To access the online Help and Support Center:

1. Press the **fn+f1** hotkey or select Start > Help and Support.
2. Follow the onscreen directions to select the online Help and Support Center feature that you need.





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*Additional Information, Help, and Updates*

## Contacting Technical Support

If you cannot solve a problem using the online Help or the documentation provided with your notebook, you can call technical support.

To obtain a list of worldwide customer support telephone numbers, use any of the following methods:

- **In Windows 2000**, Start > Settings > Control Panel > System icon > Support Information button.
- **In Windows XP**, select Start > Control Panel > Performance and Maintenance icon > System icon.
- Refer to the *Worldwide Telephone Numbers* booklet included with the notebook to contact an HP Customer Care Center or visit the HP Web site at <http://www.hp.com>.

To provide the fastest possible resolution of your problem, have the notebook and the following information available when you call:

- Notebook serial number and model description, which are provided on labels affixed to the bottom of the notebook.
- Purchase date on your invoice.
- Conditions under which the problem occurred.
- Error messages that have displayed.
- Manufacturer and model of any optional printer connected.
- Operating system version number and registration number. View these numbers in the System Properties window of your operating system.
- The version of the system ROM installed on the notebook.





*Additional Information, Help, and Updates*

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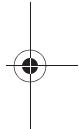
## Installing a Retail Version of an Operating System

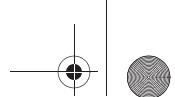
The Windows operating system provided on the notebook is enhanced by HP. These enhancements add features and provide supplementary support for devices such as drives and PC Cards.

Read the following caution before installing a retail version of an operating system on your notebook.



**CAUTION:** Replacing an HP-enhanced operating system with a retail version of an operating system will result in the loss of all enhancements. In some cases, the loss of these enhancements may result in an unresponsive system. In other cases, complete USB support may not be available.





# 3

## Notebook Features

### Pointing Device Components

#### TouchPad Model



#### TouchPad component descriptions

Item	Component	Description
①	TouchPad	Moves the pointer and selects or activates items on the screen. Can be set to perform other mouse functions, such as scrolling, selecting, and double-clicking.
②	Left and right TouchPad buttons	Function like the left and right buttons on an external mouse.



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*Notebook Features*

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## Dual Pointing Device Model



### Dual pointing device component descriptions

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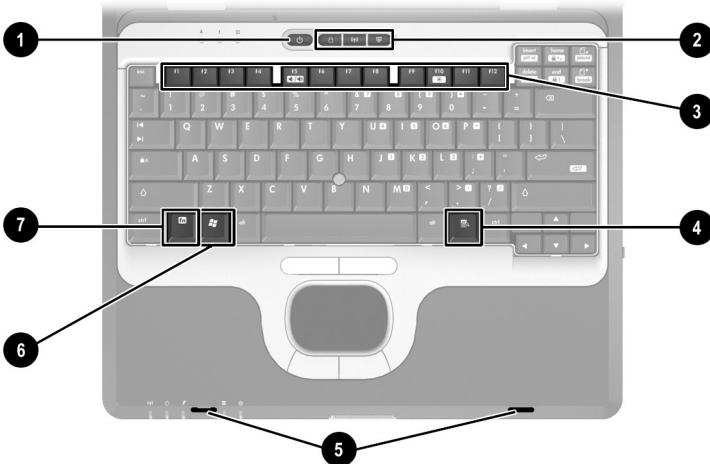
Item	Component	Description
①	Pointing stick	Moves the pointer and selects or activates items on the screen.
②	Left and right pointing stick buttons	Function like the left and right mouse buttons on an external mouse.
③	TouchPad	Moves the pointer and selects or activates items on the screen. Can be set to perform other mouse functions, such as scrolling, selecting, and double-clicking.
④	Left and right TouchPad buttons	Function like the left and right buttons on an external mouse.

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## Top Components



### Top component descriptions

Item	Component	Description
①	Power button*	<p>When the notebook is:</p> <ul style="list-style-type: none"> <li>■ Off, press and release to turn on the notebook.</li> <li>■ In Standby, press and release to exit Standby.</li> <li>■ In Hibernation, press and release to exit Hibernation.</li> </ul> <p>If the system has stopped responding and Windows shutdown procedures cannot be used, press and hold for 5 seconds to turn off the notebook.</p>

\* This table describes default settings. For information about changing the functions of the power button and about using Standby and Hibernation, refer on the *Documentation Library* CD to the *Software Guide*, "Power" chapter.

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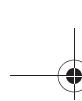


## Notebook Features

### Top component descriptions (Continued)

Item	Component	Description
②	Quick Launch buttons (3)	<p>Enable you to access common functions with a single keystroke.</p> <ul style="list-style-type: none"><li>■ QuickLock button (left)—Disables the keyboard and pointing device and clears the display.</li><li>■ Wireless ON/OFF button (center)—Enables and disables the integrated wireless device(s) on the notebook.</li><li>■ Presentation Mode button (right)—Alternates between presentation modes.</li></ul> <p> To use integrated WLAN or Bluetooth, press the Wireless On/Off button and ensure that the Wireless On/Off light is on before attempting to make a connection. If the light does not come on, verify that the device utility has been installed and enabled in the software. HP-provided utilities must be installed through Software Setup. For more information, refer in this guide to "Setting Up Wireless LAN" and "Setting Up Bluetooth" or to the <i>Wireless LAN Utility Installation Instructions</i> provided with your notebook.</p> <p>For more information, refer on the <i>Documentation Library</i> CD to "Using Quick Launch Buttons" in Chapter 2 of the <i>Hardware Guide</i>.</p>
③	Function keys	Execute frequently used system functions when pressed in combination with the <b>fn</b> key.
④	Applications key	Displays shortcut menu for items beneath the pointer.





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*Notebook Features*

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**Top component descriptions (Continued)**

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Item	Component	Description
⑤	Display release latch recesses (2)	Secure the display when it is closed.
⑥	Microsoft logo key	Displays the Windows Start menu.
⑦	<b>fn</b> key	Executes frequently used system functions when pressed in combination with a function key or the <b>esc</b> key.
Not shown	Memory compartment (not shown; located under the keyboard)	Contains one primary memory slot (populated) and one expansion slot.

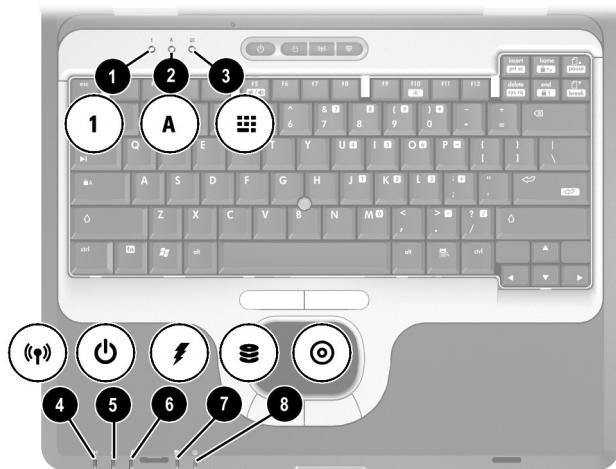
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## Notebook Features

# Lights



### Light descriptions

Item	Component	Description
①	Num lock	On: Num lock is on or the embedded numeric keypad is enabled.
②	Caps lock	On: Caps lock is on.
③	Scroll lock	On: Scroll lock is on.
④	Wireless On/Off	On: An integrated wireless device has been enabled.
⑤	Power/standby	On: Power is turned on. Blinking: Notebook is in Standby.



The power/standby light also blinks when a battery pack that is the only available power source reaches a critical low-battery condition. The light turns off when the system enters Hibernation or shuts down.





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*Notebook Features*

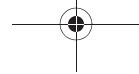
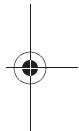
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**Light descriptions (Continued)**

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Item	Component	Description
⑥	Battery	On: A battery pack is charging. Blinking: A battery pack that is the only available power source has reached a low-battery condition. When the battery reaches a critical low-battery condition, the battery light begins blinking more quickly.
⑦	Primary hard drive	On: Hard drive in the hard drive bay is being accessed.
⑧	MultiBay	On: A device in the MultiBay is being accessed.

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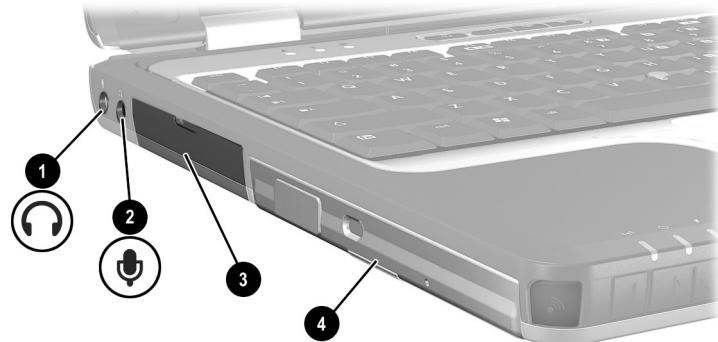


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*Notebook Features*

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## Left Side Components



### Left side component descriptions

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Item	Component	Description
①	Audio line-out jack	Produces system sound when connected to optional powered stereo speakers, headphones, headset, or television audio.
②	Microphone jack	Connects an optional monaural microphone.
③	Hard drive bay	Holds the primary hard drive.
④	MultiBay	Holds a MultiBay device.

---





## Right Side Components



### Right side component descriptions

Item	Component	Description
①	Battery slot	Holds the primary battery.
②	Secure Digital (SD) slot	Accepts SD memory cards.
③	PC Card slots (2)	Support optional Type I, Type II, or Type III 32-bit (CardBus) or 16-bit PC Cards.   In select notebooks, one of the PC Card slots may be replaced with a factory-installed Smart Card Reader.
④	RJ-11 telephone jack	Connects a modem cable.





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*Notebook Features*

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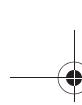
**Right side component descriptions (Continued)**

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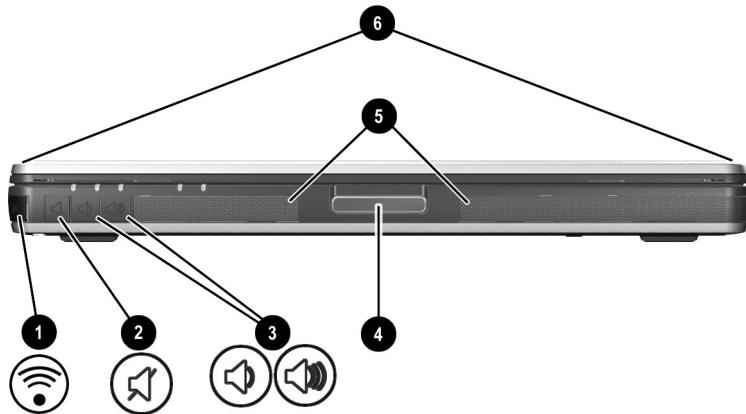
Item	Component	Description
⑤	Bluetooth compartment	Holds a Bluetooth device.   Bluetooth is not supported in all countries.
⑥	Security cable slot	Attaches an optional security cable to the notebook.   The purpose of security solutions is to act as a deterrent. These solutions do not prevent the product from being mishandled or stolen.

---





## Front View Components



### Front view component descriptions

Item	Component	Description
①	Infrared port	Provides wireless communication between the notebook and an optional IrDA-compliant device.
②	Mute button	On: Mutes the system volume. A light comes on when the button is pushed in and the sound is muted.
③	Volume control buttons	Increase and decrease system volume. Press the volume up button to increase sound. Press the volume down button to decrease sound.
④	Display release latch	Opens the notebook.





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*Notebook Features*

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**Front view component descriptions (Continued)**

Item	Component	Description
⑤	Speakers (2)	Produces system sound.
⑥	Wireless antenna (2)	Transmits wireless data (not shown, located on either side of the display).



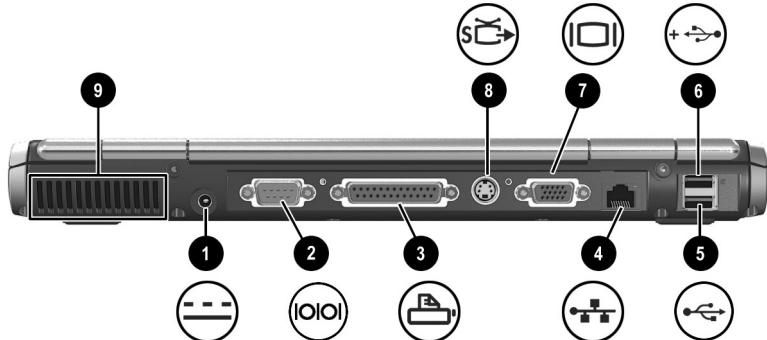
**Exposure to Radio Frequency Radiation.** The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized. To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna should not be less than 20 cm (8 inches) during normal operation, including when the notebook display is closed.

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## Rear View Components



### Rear view component descriptions

Item	Component	Description
①	Power connector	Connects an AC adapter or an optional Automobile Power Adapter/Charger, or Aircraft Power Adapter.
②	Serial connector	Connects an optional serial device.
③	Parallel connector	Connects an optional parallel device, such as an external diskette drive or a printer.
④	RJ-45 network jack	Connects a network cable.
⑤	USB connector	Connects USB 1.1- and 2.0-compliant devices to the notebook using a standard USB cable.
⑥	Self-powered USB connector	Connects USB 1.1- and 2.0-compliant devices to the notebook using a standard USB cable, or connects an optional External MultiBay to the notebook using the External MultiBay-powered USB cable.
⑦	External monitor connector	Connects an optional external monitor or overhead projector.





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*Notebook Features*

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**Rear view component descriptions (Continued)**

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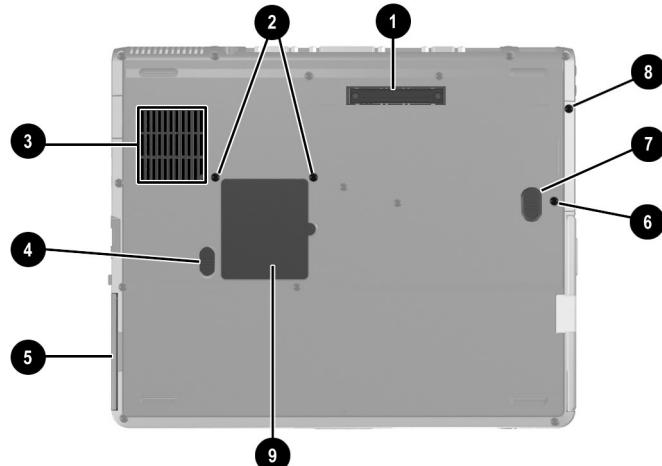
Item	Component	Description
⑧	S-Video jack	Connects an optional S-Video device, such as a television, VCR, camcorder, overhead projector, or video capture card.
⑨	Exhaust vent	Enables airflow to cool internal components.  △ To prevent overheating, do not obstruct vents. Using the notebook on a soft surface such as a pillow, blanket, rug, or thick clothing may block airflow.

---





## Bottom Components



### Bottom component descriptions

Item	Component	Description
①	Docking connector	Connects the notebook to an optional Port Replicator or Advanced Port Replicator.
②	Keyboard access screws (2)	Allow you to remove the keyboard in order to access system memory.
③	Intake vent	Enables airflow to cool internal components.
④	Battery release latch	Releases the primary battery pack from the battery bay.
⑤	Battery bay	Holds the primary battery pack.
⑥	Hard drive security screw	Secures the hard drive.



To prevent overheating, do not obstruct vents. Using the notebook on a soft surface, such as a pillow, blanket, rug, or thick clothing may block airflow.





## *Notebook Features*

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### **Bottom component descriptions (Continued)**

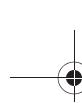
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Item	Component	Description
7	MultiBay release latch	Releases the MultiBay device.
8	Hard drive retaining screw	Retains the hard drive.
9	MiniPCI compartment	Holds an optional wireless LAN or ISDN device.

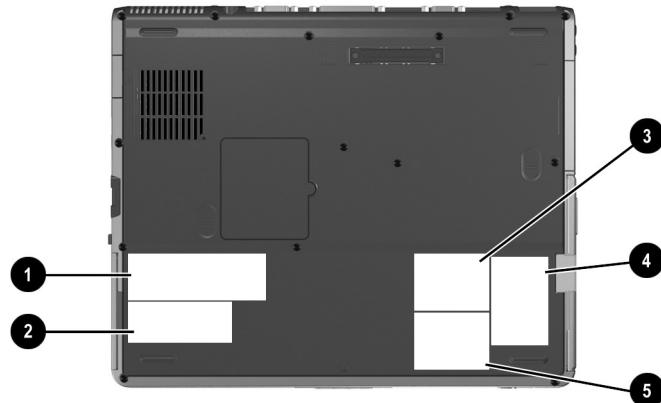
△ The FCC does not allow unauthorized MiniPCI devices to be used in this notebook. Installing an unsupported MiniPCI device can prevent your notebook from operating properly and may result in a warning message. To resume proper notebook operation, remove the unauthorized device. Contact your HP Customer Care Center if a warning message about your MiniPCI device displays in error.

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## Labels



### Label descriptions

Item	Component	Description
①	System label	Provides regulatory information about the notebook.  ☞ The serial number, which is included on the system label, identifies the notebook. You may need this number if you call customer support.
②	COA (Certificate of Authenticity) label	Contains your Product Key number, which will be needed to update or troubleshoot your operating system.
③	WLAN label	Provides regulatory information about the wireless LAN device(s) that are available on some notebook models.  ☞ You will need this information to use a WLAN device while traveling internationally.



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*Notebook Features*

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**Label descriptions (Continued)**

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Item	Component	Description
④	Modem label	<p>Lists the countries in which the modem has been approved for use.</p> <p> You will need this information to use the modem while traveling internationally.</p>
⑤	Bluetooth label	<p>Provides regulatory information about the Bluetooth device that is available on some notebook models.</p> <p> You will need this information to use the Bluetooth device while traveling internationally.</p> <p> Bluetooth is not supported in all countries.</p>

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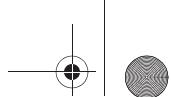
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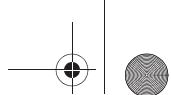
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